

Inventor: Henry Johnson
Serial No.: 09/752,658
Client Dkt. No. H0001540 (4960)

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Art Unit: 2827
Examiner: David Graybill

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Amcl
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231

Inventor: **Henry Johnson**

Serial No: **09/752,658**

Filed: **December 28, 2000**

For: **Layered Circuit Boards and
Methods of Production Thereof**

Examiner: David Graybill
Art Unit: 2827

Client Docket No.: H0001540 (4960)
Attorney Docket No.: 100665.0021US1

RESPONSE TO OFFICE ACTION

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This paper responds to the Office Action dated April 26, 2002. Please enter the following:

IN THE CLAIMS

Cancel non-elected claims 13-20.

Amend claims 1 as follows:

- 01
1. A sublamination material, comprising:
a conductive single layer reference plane having a top surface and a bottom surface;
a conductive first signal layer coupled to the top surface with a cured core material, the first signal layer having an exposed surface opposite a surface coupled to the reference plane;
a conductive second signal layer coupled to the bottom surface with a cured bond-ply material, the second signal layer having an exposed surface opposite a surface coupled to the reference plane; and
at least one of a blind via or a micro via; wherein
the reference plane, first signal layer, and second signal layer are three separate layers.

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REMARKS

35 USC § 102

Claims 1-12 were rejected under 35 USC § 102(b) as being anticipated by Rostoker (US 5801432). The applicant disagrees, especially in view of the amendments set forth herein.

Claim 1 as amended recites two conductive signal layers coupled to a conductive reference layer by a cured core and a cured bond-ply material, with the two signal layers each having an exposed surface. The Office relied on Rostoker anticipating claim 1. However, although Rostoker does discuss substrates having alternating layers of insulating material and conductive trace patterns, it does not teach or suggest the particular arrangement claimed in claim 1. The referenced section of Rostoker points to figure 16 as an example, but the example of figure 16 only comprises two conductive layers, not three. As such, Rostoker does not anticipate claim 1, or claims 2-11 because of their dependence on claim 1.

ATTACHED MARKED-UP VERSION OF CHANGES

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

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REQUEST FOR ALLOWANCE

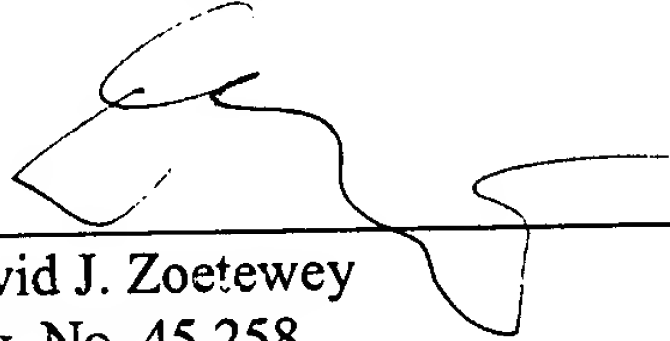
Claims 1-12 are pending in this application. The applicant requests allowance of all pending claims.

Respectfully submitted,

Rutan & Tucker, LLP

Dated: July 17, 2002

By:



David J. Zoetewey
Reg. No. 45,258

Attorneys for Applicant(s)
Post Office Box 1950
Costa Mesa, CA 92628-1950
Tel: (714) 641-5100
Fax: (714) 546-9035